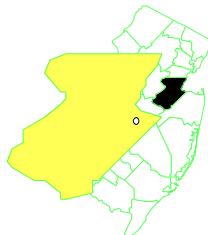


CPS/MADISON INDUSTRIES NEW JERSEY

EPA ID# NJD002141190



EPA REGION 2
CONGRESSIONAL DIST. 06
Middlesex County
Old Bridge Township

Other Names:
CPS Chemical
Old Bridge Chemical

Site Description

The CPS/Madison Industries site consists of two adjacent manufacturing facilities located on a 35-acre tract of land. CPS processes, treats, and stores organic chemicals used in the production of water treatment agents, lubricants, oil field chemicals, and anti-corrosive agents. The company generates spent halogenated solvents that are shipped off site for disposal. The hazardous wastes are stored in tanks or containers, where some solvent distillation occurs. Madison Industries produces zinc compounds for fertilizers, pharmaceuticals, and food additives. Since 1967, the two companies repeatedly have dumped and discharged chemicals into the public sewer system as well as onto their respective properties. Thirty-two municipal wells were closed due to contamination. Both facilities are still in operation and continue to handle hazardous materials at the site. Approximately 1,000 people live within ½ mile of the site. Prickett's Brook and Pond have been contaminated by the site, but are not used for recreation or as water supplies.

Site Responsibility: This site is being addressed through Federal, State, and potentially responsible parties' actions.

NPL LISTING HISTORY

Proposed Date: 12/01/82
Final Date: 09/01/83

Threats and Contaminants



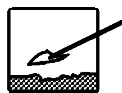
Groundwater is contaminated with various volatile organic compounds (VOCs) and heavy metals including zinc, cadmium, copper, and lead. The sediments and surface water of Prickett's Pond are contaminated with zinc and VOCs. Even though Prickett's Pond is not generally used for recreation, children who play near it may suffer adverse health effects if they should come in contact with, or ingest the water or sediments. Although the contaminated water wells have been taken out of service, people who drink or come into contact with contaminated groundwater may be at risk. In addition, the Perth Amboy wellfield is downgradient of the site, and may be impacted further if the recovery well system is not properly monitored and maintained.



Cleanup Approach

This site is being addressed in two stages: interim actions and a long-term remedial phase focusing on cleanup of the entire site.

Response Action Status



Interim Actions: The New Jersey Department of Environmental Protection (NJDEP) required CPS and Madison Industries to install a groundwater pump and treat system as a temporary measure to prevent contamination of the nearby Perth Amboy wellfield while further studies are being completed. This system began operation in January 1991. In addition, the New Jersey State Court has ordered the companies to provide NJDEP with funds for wellhead protection of the Perth Amboy supply wells. As a result, in 1994 an air stripper was installed on Perth Amboy Supply Well #6.



Entire Site: CPS and Madison Industries, under NJDEP supervision, have been monitoring the extent of groundwater contamination at the site. The State has signed Administrative Consent Orders with both companies to perform remedial investigations to locate any existing source areas. The field investigations were completed and the companies are currently working on the Risk Assessment and Feasibility Studies. Based on these investigations, EPA and the State will review the recommended alternatives and will select the cleanup actions to be implemented. In addition, after the source area remedies are chosen, a remedial investigation focusing on the groundwater and surface water will be performed to determine if the previous actions were sufficient to address groundwater, or if further action is required.

Site Facts: The two companies are performing groundwater contamination investigations under a 1988 court order.

Cleanup Progress



(Threat Mitigated by Physical Cleanup Work)

An interim groundwater recovery system has been installed to contain the spread of groundwater contamination and protect the Perth Amboy wellfield, which provides a public drinking water supply. The recovery well system operated by Madison Industries is currently pumping and treating groundwater at a rate of approximately 3 million gallons per month. CPS is currently pumping its recovery wells at a rate of 1 million gallons per month, treating the water and recharging to groundwater. Soon after the installation of the recovery system, benzene and chlorobenzene appeared in Perth Amboy Supply Well #6 (SW #6). In response, EPA installed and sampled additional monitoring wells immediately up gradient of SW #6. The results of that sampling event indicated that the contamination was deeper and closer to SW #6 than previously believed. In the summer of 1992, Perth Amboy initiated legal action to force the companies to implement wellhead protection under the existing court order. As a result, the court determined that the companies must provide funds to NJDEP for installation of wellhead protection. The construction of the wellhead treatment system was completed, and the system was online in early 1994. EPA and the State continue to monitor the drinking water to ensure that residents and the environment are protected while further investigations leading to the selection of final cleanup remedies are taking place.